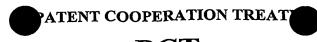
528,228 PCT/JP2003/011677

Translation





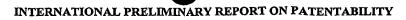
PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

	•				
Applicant's or agent's file reference OPA2302PC	FOR FURTHER AC	rion	See Form PCT/IPEA/416		
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)		
PCT/JP2003/011677	12 September 200	3 (12.09.2003)	20 September 2002 (20.09.2002)		
International Patent Classification (IPC) or n B28B 13/02, B28C 7/16	ational classification and	IPC			
Applicant	YOSHINO GYPS	UM CO., LTD.			
This report is the international preling Authority under Article 35 and transport	minary examination repo smitted to the applicant a	rt, established by this coording to Article 3	s International Preliminary Examining 6.		
2. This REPORT consists of a total of	5 sheets,	including this cover	sheet.		
3. This report is also accompanied by	ANNEXES, comprising:				
a. (sent to the applicant and	l to the International Bur	eau) a total of 2	sheets, as follows:		
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.					
This report contains indications rel	ating to the following iter	ms:			
Box No. I Basis of the 1	report				
Box No. II Priority					
Box No. III Non-establis	hment of opinion with re	gard to novelty, inve	ntive step and industrial applicability		
Box No. IV Lack of unity	of invention				
Box No. V Reasoned sta	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability citations and explanations supporting such statement				
Box No. VI Certain docu	=				
1 ==	cts in the international ap	plication			
1 ==	rvations on the internatio				
D. C. 1		Date of completion	of this report		
Date of submission of the demand		_	_		
22 March 2004 (22.03	3.2004)	19	August 2004 (19.08.2004)		
Name and mailing address of the IPEA/JP		Authorized officer			
Facsimile No.		Telephone No.			



Internal application No. PCT/JP2003/011677

Box No. 1	I Ba	asis of the report
		o the language, this report is based on the international application in the language in which it was filed, unless icated under this item.
		eport is based on translations from the original language into the following language, is language of a translation furnished for the purpose of:
	in in	nternational search (under Rules 12.3 and 23.1(b))
	pı	sublication of the international application (under Rule 12.4)
	in	nternational preliminary examination (under Rules 55.2 and/or 55.3)
furnis) and ar	hed to ti re not ar	to the elements of the international application, this report is based on (replacement sheets which have been the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" nnexed to this report):
		ernational application as originally filed/furnished
-		cription:
	pages	1-25 , as originally filed/furnished
	pages*	
	pages*	
	the clair	
	pages*	
l	pages*	
	pages*	
 	the drav	
	pages	wings: 1-12 , as originally filed/furnished
	pages*	
	pages*	received by this Authority on
	a seque	ence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
	-	
3.	The am	nendments have resulted in the cancellation of:
	t1	the description, pages
	=	the claims, Nos.
	= "	the drawings, sheets/figs
	=	the sequence listing (specify):
		any table(s) related to sequence listing (specify):
4.	made, (Rule 7	eport has been established as if (some of) the amendments annexed to this report and listed below had not been since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box 70.2(c)).
		the description, pages
		the drawings shoots/figs
	=	the sequence listing (anceiful)
		the sequence listing (specify):
	a	any table(s) related to sequence listing (specify):
* If iten	n 4 appl	lies, some or all of those sheets may be marked "superseded."

٧.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	ci ations and explanations supporting such statement

	Statement			
	Novelty (N)	Claims	1-16	YES
		Claims		NO NO
	Inventive step (IS)	Claims	1-16	YES
	Claims		NO	
	Industrial applicability (IA)	Claims	1-16	YES
		Claims		NO

2. Citations and explanations

Document 1: JP 7-503910 A (Babcock-BSH AG, formerly Büttner-Schilde-Haas AG), 27 April 1995, page 8, upper left column, line 1 to upper right column, line 3, fig. 2, & CA 2116132 A1, page 21, fig. 2, & WO 93/03899 A1

Document 2: JP 2001-300933 A (Yoshino Gypsum Co., Ltd.),
30 October 2001, entire text, fig. 1-2
(Family: none)

The inventions described in claims 1 to 12 are not disclosed in any of the documents cited in the international search report, nor would they be obvious to a person skilled in the art. In particular, none of the documents discloses a feature wherein plaster slurry is fractionated from a mixer and fed onto a plaster board base paper.

The invention described in claims 13 to 16 is not disclosed in any of the documents cited in the international search report, nor would it be obvious to a person skilled in the art. In particular, none of the documents discloses a method that includes a slurry-fractionating step wherein fractionated slurry is fed from a slurry discharge pipe onto the edge portions of a

plaster board base paper and/or a roll coater, and a slurry-discharging step wherein the plaster slurry remaining after a portion of the slurry has been fractionated is discharged through a slurry discharge port on a chute part onto the center portion of a plaster board base paper.

Internation No. application No. 03/11677

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

The invention described in claim 10 is unclear. Claim 10 describes a feature wherein "a portion of the plaster slurry for which the amount of foam or foaming agent mixed in has been limited is discharged from the aforementioned fractionating port to the aforementioned slurry discharge pipe," but the constitution for limiting "the amount of foam or foaming agent mixed in" is unclear.